

## ABSTRACT

A control unit (5) for controlling each device which constitutes a electric power generator set (1) is provided with an operation-and-display device (28) so constituted as to calculate each electric power value data and each electric energy data on external electric power, generated electric power, and load electric power on the basis of sensed data on each value of external electric power and generated electric power transmitted from inverters (6a, 6b) and as to store these calculated data and the sensed data, and connected to the electric power generator set (1) by wires or radio. A cogeneration system comprising the electric power generator set (1) is so constituted that data on the electric power generation current value of the external electric power source and the electric power generator set (1) and data on water-heat energy are sensed and transmitted to the control system (2), and that the control system calculates data on an external electric energy, a generated electric energy, a load electric energy, a water-heat energy recovery quantity, and an energy efficiency to display the calculated data on the operation-and-display device (28).